

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. - 18. (canceled).

19. (currently amended): A liquid ejecting apparatus comprising:

a movable head that is provided with a plurality of nozzles for ejecting a liquid;

a carry transport unit for carrying transporting a medium in a predetermined carrying transporting direction; and

a sensor for detecting an edge lateral edges of said medium and that is movable with said head;

wherein said liquid ejecting apparatus controls ejection of said liquid from said plurality of nozzles in accordance with a result of the detection of said sensor; and

wherein a position, in the transporting carrying direction, of said sensor is on an upstream side of a nozzle located most upstream in said transporting carrying direction, of among said plurality of nozzles;

wherein said liquid ejecting apparatus generates print data expressing a print image, a width of said print image of said print data is wider than the width of said medium;

wherein said print data is masked so as to leave a margin outside each of said lateral edges detected by said sensor; and

wherein, in accordance with the masked print data, said liquid ejecting apparatus ejects said liquid in a region that is set wider than the width of said medium and does not eject said liquid beyond said margin.

20. (canceled).

21. (currently amended): A liquid ejecting apparatus according to claim 20, wherein a position, on the most downstream side in said carrying transporting direction, of a detection region of said sensor is located on the upstream side, in said carrying transporting direction, of said nozzle located most upstream in said carrying transporting direction.

22. (currently amended): A liquid ejecting apparatus according to claim 19, wherein said carry transport unit transports carries said medium by a predetermined carry transport amount in said carrying transporting direction; and wherein the position, in the carrying transporting direction, of said sensor is on the upstream side, in said carrying transporting direction, away from said nozzle located most upstream in said carrying transporting direction by more than said carry transport amount.

23. (original): A liquid ejecting apparatus according to claim 22, wherein said liquid ejecting apparatus ejects the liquid onto the edge of said medium using a portion of said plurality of nozzles after said sensor no longer detects said medium.

24. (currently amended): A liquid ejecting apparatus according to claim 23, wherein said liquid ejecting apparatus ejects the liquid onto said medium using all of said plurality of nozzles in a state where said sensor no longer detects said medium, and after said carry transport unit has further carried transported said medium by said carry transport amount, said liquid ejecting apparatus ejects said liquid onto the edge of said medium using a portion of said plurality of nozzles.

25. (currently amended): A liquid ejecting apparatus according to claim 22, wherein a position, on the most downstream side in said carrying transporting direction, of a detection region of said sensor is on the upstream side, in said carrying transporting direction, away from said nozzle located most upstream in said carrying transporting direction by more than said transport carry-amount.

26. (currently amended): A liquid ejecting apparatus according to claim 19, wherein said carry transport unit has a carry transport roller for carrying transporting said medium up to a position where said liquid can be ejected onto said medium; and wherein the position, in the carrying transporting direction, of said sensor is on the downstream side of said carry transport roller.

27. (currently amended): A liquid ejecting apparatus according to claim 26, wherein a process of correcting a skew in said medium is performed on the upstream side of said carry transport roller.

28. (currently amended): A liquid ejecting apparatus according to claim 26, wherein a position, on the most upstream side in said carrying transporting direction, of a detection region of said sensor is on the downstream side, in said carrying transporting direction, of said carry transport roller.

29. (currently amended): A liquid ejecting apparatus according to claim 26, wherein said liquid ejecting apparatus further comprises a supporting section for supporting said medium that is transported carried from said carry transport roller; and wherein said sensor is arranged such that a detection region of said sensor is located on said supporting section.

30. (original): A liquid ejecting apparatus according to claim 29, wherein calibration of said sensor is performed based on an output signal of said sensor in a state in which said supporting section is not supporting said medium.

31. (currently amended): A liquid ejecting apparatus according to claim 29, wherein a position, on the most upstream side in said carrying transporting direction, of the detection region of said sensor is on said supporting section.

32. (currently amended): A liquid ejecting apparatus according to claim 29,

wherein said carry transport unit transports carries said medium in a slanted manner with respect to said supporting section; and

wherein the position of said sensor is on the downstream side, in said carrying transporting direction, of a position at which a front edge of said medium first comes into contact with said supporting section.

33. (currently amended): A liquid ejecting apparatus according to claim 32, wherein said carry transport unit has a paper discharge roller for discharging said medium; and

wherein said medium that has been carried transported in a slanted manner with respect to said supporting section passes a print region within which the liquid ejected from said nozzles land, and then reaches said paper discharge roller.

34. (currently amended): A liquid ejecting apparatus according to claim 32, wherein a position, on the most upstream side in said carrying transporting direction, of the detection region of said sensor is on the downstream side, in said carrying transporting direction, of the position at which the front edge of said medium first comes into contact with said supporting section.

35. (original): A liquid ejecting apparatus according to claim 19, wherein said liquid is ink; and

wherein said liquid ejecting apparatus is a printing apparatus that prints on a medium to be printed, which serves as said medium, by ejecting the ink from said nozzles.

36. (canceled).

37. (currently amended): A printing system comprising:
a main computer unit; and
a liquid ejecting apparatus that is connectable to said main computer unit and that is provided with:

a movable head that is provided with a plurality of nozzles for ejecting a liquid;

a carry-transport unit for carrying-transporting a medium in a predetermined carrying-transport direction; and

a sensor for detecting an edgelateral edges of said medium and that is movable with said head;

~~wherein said liquid ejecting apparatus controls ejection of said liquid from said plurality of nozzles in accordance with a result of the detection of said sensor; and~~

~~wherein a position, in the transporting carrying direction, of said sensor is on an upstream side of a nozzle located most upstream in said transporting carrying direction, of among said plurality of nozzles;~~

wherein said liquid ejecting apparatus generates print data expressing a print image, a width of said print image of said print data is wider than the width of said medium;

wherein said print data is masked so as to leave a margin outside each of said lateral edges detected by said sensor; and

wherein, in accordance with the masked print data, said liquid ejecting apparatus ejects said liquid in a region that is set wider than the width of said medium and does not eject said liquid beyond said margin.